

Hand-drawn schematic diagram of a fan speed control circuit. The circuit is divided into three main sections: a control section (206), a driver section (202), and a power section (204).

Control Section (206): Receives a "Control signal from Microcontroller" and a +5V supply. It includes a voltage divider (R146, R132), a timing network (C101, R133), and a comparator (U22, 741).

Driver Section (202): Consists of a 2N7010 MOSFET (202) driven by the comparator's output through a gate resistor (R120).

Power Section (204): Includes a 2N270 MOSFET (204) driven by the 2N7010 through a gate resistor (R124). The 2N270's drain is connected to a fan motor (FAN) through a diode (D19, BAS16) and a resistor (R125). The fan motor is also connected to a +5V supply through a resistor (R133).

The circuit is powered by a +5V supply and a 5V regulator (U12, 7805). The output current is labeled "output current TO FAN".

Handwritten labels 205, 207, and 117 are also present.

Figure 2

0908322.062604

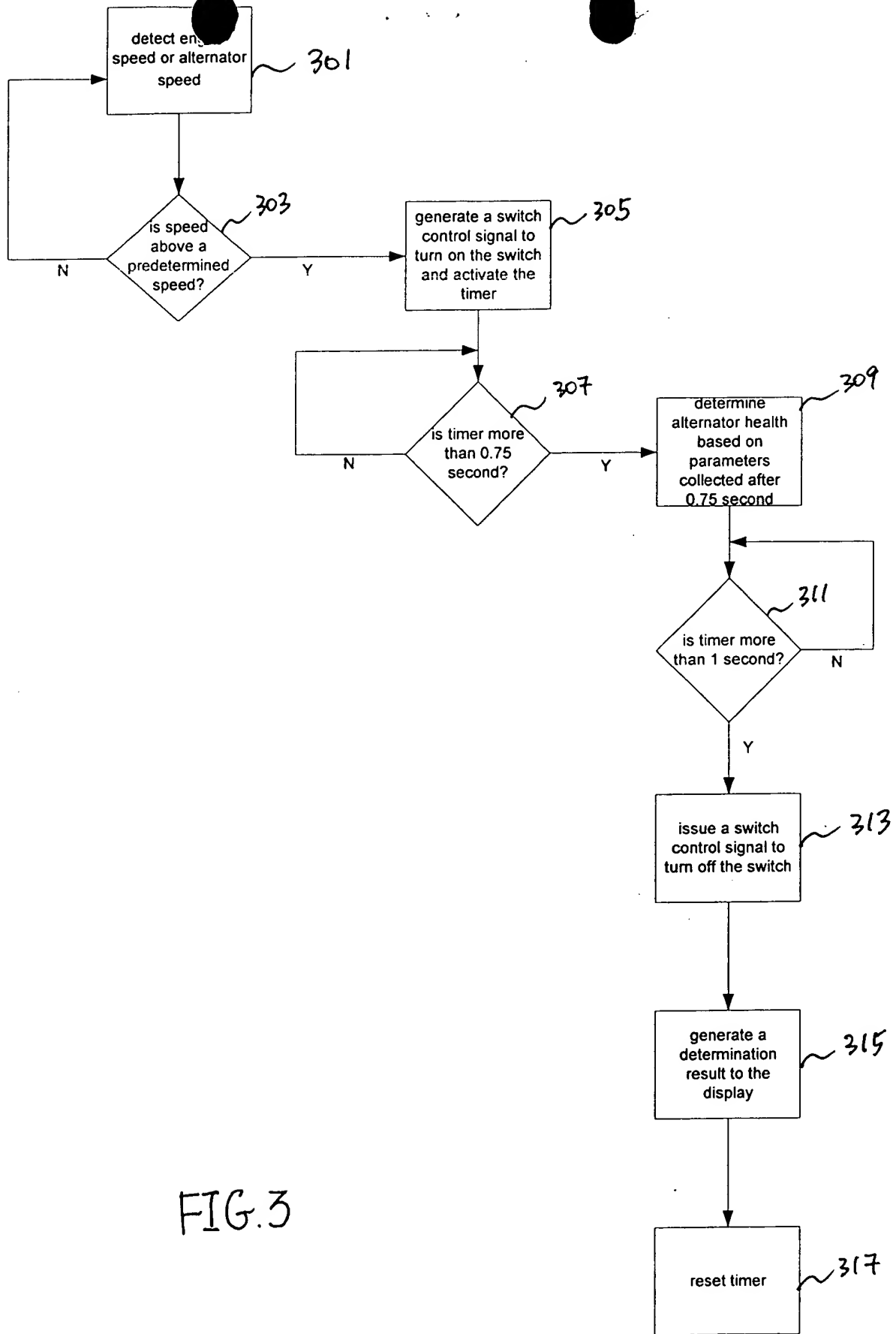


FIG. 3

09000300.05001

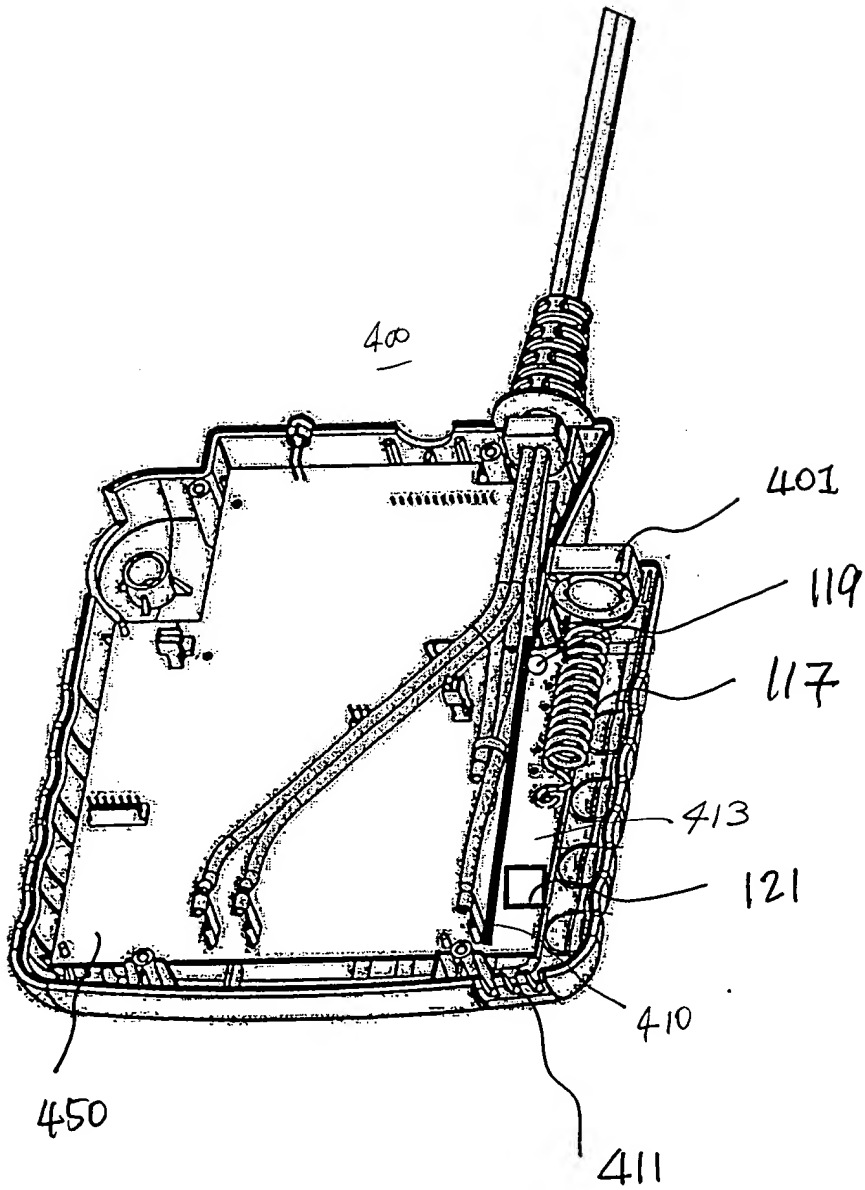


FIG. 4